Comparisons of Job Characteristics

Focus Occupation: Computer Specialists, All Other (15-1099)
Associated Occupation: Network and Computer Systems Administrators (15-1071)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Computer Specialists, All Other (15-1099)
Associated Occupation: Network and Computer Systems Administrators (15-1071)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Computers and Electronics	8.4	21.5	19.7	0	Current knowledge level may be sufficient
Telecommunications	3.9	13.4	9.0	<<	Extensive education and/or training may be required
Administration and Management	8.4	11.8	9.9	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Computer Specialists, All Other (15-1099)
Associated Occupation: Network and Computer Systems Administrators (15-1071)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Complex Problem Solving	9.1	12.2	11.7	0	Current skill level may be sufficient
Systems Analysis	6.5	11.1	10.6	0	Current skill level may be sufficient
Systems Evaluation	6.4	11.0	11.1	0	Current skill level may be sufficient
Quality Control Analysis	5.9	9.8	7.9	<	A higher skill level may be required
Programming	2.2	8.5	10.0	>	Skill level is likely sufficient
Technology Design	2.6	6.5	6.6	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 99

Focus Occupation: Computer Specialists, All Other (15-1099)
Associated Occupation: Network and Computer Systems Administrators (15-1071)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Information Ordering	9.9	11.8	11.7	0	Current ability level may be sufficient
Category Flexibility	9.0	10.7	10.4	0	Current ability level may be sufficient
Flexibility of Closure	7.8	10.2	8.7	<	Some improvement in abilities may be required
Fluency of Ideas	7.6	10.1	10.1	0	Current ability level may be sufficient
Selective Attention	8.7	9.9	9.4	0	Current ability level may be sufficient
Perceptual Speed	7.4	9.0	7.6	<	Some improvement in abilities may be required
Speed of Closure	5.9	7.7	7.2	0	Current ability level may be sufficient
Memorization	5.6	7.3	6.4	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

There are no common work activities.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Computer Specialists, All Other (15-1099)
Associated Occupation: Network and Computer Systems Administrators (15-1071)

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Development software	4
Electrical cable and accessories	47
Electronic and communication measuring and testing instruments	14
Industry specific software	1
Information exchange software	1
Media storage devices	21
Network applications software	1
Network management software	37
Network service equipment	47
Networking software	21
Operating environment software	12
Security and protection software	30
Utility and device driver software	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.